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ABSTRACT

This invention relates to an improved wall for resisting lateral forces imposed on a building that incorporates the wall. Specifically, this invention relates to a wall in a light-frame building having within it a sub-component specifically designed to resist lateral forces imposed on the building such as those caused by an earthquake or by wind loading. The wall is formed with a bottom plate that rests on the underlying structural component of the building. A plurality of vertically-disposed studs connect to the bottom plate, and a top plate is supported by and connects to the vertically-disposed studs. A shear-resisting assembly connects to the top plate and the underlying structural component. The shear-resisting assembly has top and bottom struts and first and second chords and a planar shear resisting element connected thereto.

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